

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(379/229 379/230 379/221.08 379/221.1 379/221.03) and (link adj failure) and (offhold and on\$hold)	USPAT	OR	OFF	2004/03/15 15:30
		( signal\$3 adj gateway) and ss7 and (signal adj2 failure) and rout\$3	USPAT	OR	OFF	2004/03/10 19:04
L2	1	"6718139"	US-PGPUB; USPAT	OR	OFF	2005/08/18 19:24
L3	1	"20010049730"	US-PGPUB; USPAT	OR	OFF	2005/08/18 20:26
L4	90	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and (control with grant with rout\$3 with (message call ))	US-PGPUB; USPAT	OR	ON	2005/08/18 20:33
L5	74	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and (link with (failure error fails) with rout\$3 with (message call ))	US-PGPUB; USPAT	OR	ON	2005/08/18 20:33
L6	0	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and (link with (failure error fails) with rout\$3 with (message call )) and flow	US-PGPUB; USPAT	OR	ON	2005/08/18 20:34
L7	16	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and (link with (failure error fails) with rout\$3 with (message call )) and flow and (buffer near5 reservation)	US-PGPUB; USPAT	OR	ON	2005/08/18 20:34
L8	4	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and flow and (buffer near5 reservation) and link near5 fail\$5	US-PGPUB; USPAT	OR	ON	2005/08/18 20:37

L9	1411	(709/223 709/238 709/239 709/250 709/242 709/244 709/225 379/315 379/273 379/258 379/230 379/221.09 379/219 379/221.01 379/221.12 379/221.1) and ( link near5 (fail\$5 error))	US-PGPUB; USPAT	OR	ON	2005/08/18 20:37
S1	1	link adj signal adj failure	USPAT	OR	OFF	2004/03/11 18:53
S2	2560	ss7 and signal\$3	USPAT	OR	OFF	2004/03/10 18:30
S3	4	(ss7 and signal\$3) and (secure adj gateway)	USPAT	OR	OFF	2004/03/10 18:32
S4	46	secure adj gateway	USPAT	OR	OFF	2004/03/10 18:33
S5	27	secure adj gateway and signal\$3	USPAT	OR	OFF	2004/03/10 18:34
S6	321	signal\$3 adj gateway	USPAT	OR	OFF	2004/03/10 18:38
S7	84	signal\$3 adj gateway and ss7	USPAT	OR	OFF	2004/03/10 18:39
S8	72	signal\$3 adj gateway and incom\$3 and outgoing and message	USPAT	OR	OFF	2004/03/10 18:39
S9	18	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1)	USPAT	OR	OFF	2004/03/10 18:42
S10	10	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal	USPAT	OR	OFF	2004/03/10 18:43
S11	4	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal and linkset	USPAT	OR	OFF	2004/03/10 18:45
S12	4	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal and linkset and queue	USPAT	OR	OFF	2004/03/10 18:45
S14	3	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal and linkset and queue\$1 and ticket	USPAT	OR	OFF	2004/03/10 18:46
S18	3	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal and linkset and queue\$1 and ticket and ss7	USPAT	OR	OFF	2004/03/10 18:47
S19	3	( signal\$3 adj gateway) and incom\$3 and outgoing and (message adj route\$1) and external and link and signal and linkset and queue\$1 and ticket and ss7 and tcp/ip	USPAT	OR	OFF	2004/03/10 19:01

S23	4	( signal\$3 adj gateway) and ss7 and (signal adj2 failure)	USPAT	OR	OFF	2004/03/10 19:04
S26	3560	709/223	USPAT	OR	OFF	2004/03/11 12:22
S27	35729	"370"/\$.ccls.	USPAT	OR	OFF	2004/03/11 12:50
S28	728	709/223 and "370"/\$.ccls.	USPAT	OR	OFF	2004/03/11 12:51
S29	1	(709/223 "370"/\$.ccls.) and ticket adj voucher	USPAT	OR	OFF	2004/03/11 12:56
S30	38561	709/223 "370"/\$.ccls.	USPAT	OR	OFF	2004/03/11 15:42
S31	16399	(709/223 "370"/\$.ccls.) and (receiv\$3 near signal\$3)	USPAT	OR	OFF	2004/03/11 15:46
S32	416	(709/223 "370"/\$.ccls.) and (receiv\$3 near signal\$3 near2 link)	USPAT	OR	OFF	2004/03/11 15:46
S33	35	(709/223 "370"/\$.ccls.) and (receiv\$3 near signal\$3 near2 link) and (route\$1 near2 message)	USPAT	OR	OFF	2004/03/11 15:47
S36	3	(709/223 "370"/\$.ccls.) and (receiv\$3 near signal\$3 near2 link) and (route\$1 near2 message) and (transmitt\$3 adj signal\$3)	USPAT	OR	OFF	2004/03/11 15:58
S39	177	(709/223 "370"/\$.ccls.) and (signal\$3 adj failure)	USPAT	OR	OFF	2004/03/11 16:00
S40	3	(709/223 "370"/\$.ccls.) and ((signal\$3 adj failure) near3 link)	USPAT	OR	OFF	2004/03/11 16:00
S41	504	ss7 and stp and IP	USPAT	OR	OFF	2004/03/11 18:57
S42	51	(ss7 and stp and IP) and IMT	USPAT	OR	OFF	2004/03/11 18:55
S43	25	(ss7 and stp and IP) and linkset	USPAT	OR	OFF	2004/03/11 18:55
S45	4	(ss7 and stp and IP) and linkset and (failure near message)	USPAT	OR	OFF	2004/03/11 18:56
S47	0	(ss7 and stp and IP) and (failure near message) and (link adj failure)	USPAT	OR	OFF	2004/12/29 21:30
S48	4	ss7 and (failure near message) and (link adj failure)	USPAT	OR	OFF	2004/03/11 18:58
S49	2	ss7 and on\$hold and off\$hold	USPAT	OR	OFF	2004/03/11 19:04
S53	1	ss7 and on\$hold and off\$hold and signal and failure and link	USPAT	OR	OFF	2004/03/11 18:59
S56	99	inter\$processor adj message	USPAT	OR	OFF	2004/03/11 19:04
S57	9	inter\$processor adj message and ss7	USPAT	OR	OFF	2004/03/11 19:06
S58	8	(inter\$processor adj message and ss7) and signal and link	USPAT	OR	OFF	2004/03/11 19:06
S59	5	(inter\$processor adj message and ss7) and signal and link and failure and route\$4	USPAT	OR	OFF	2004/03/11 19:07

S60	1	(inter\$processor adj message and ss7) and signal and link and (link adj failure) and route\$4	USPAT	OR	OFF	2004/03/11 19:07
S63	50	(379/229 379/230 379/221.08 379/221.1 379/221.03) and (link adj failure)	USPAT	OR	OFF	2004/03/15 15:46
S64	7	(379/229 379/230 379/221.08 379/221.1 379/221.03) and (link adj failure) and (reroute)	USPAT	OR	OFF	2004/03/15 17:09
S67	1370	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message	USPAT	OR	OFF	2004/03/15 17:09
S68	6	on-hold and off-hold	USPAT	OR	OFF	2004/03/15 15:49
S70	1278	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and determin\$3	USPAT	OR	OFF	2004/03/15 16:03
S71	224	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3	USPAT	OR	OFF	2004/03/15 16:04
S72	20	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset	USPAT	OR	OFF	2004/03/15 16:04
S73	15	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset and failure	USPAT	OR	OFF	2004/03/15 16:04
S74	17	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset and fail\$3	USPAT	OR	OFF	2004/12/29 17:00
S75	7	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset and ( link adj fail\$3)	USPAT	OR	OFF	2004/03/15 16:05
S76	2	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset and ( link adj fail\$3) and response and request	USPAT	OR	OFF	2004/03/15 16:05

S77	2	(379/229 379/230 379/221.08 379/221.1 379/221.03) and (receiv\$3 adj message) and transmit\$3 and (signal\$3 adj link) and message and determin\$3 and linkset and ( link adj fail\$3) and response and request	USPAT	OR	OFF	2004/03/15 16:06
S78	1	(379/229 379/230 379/221.08 379/221.1 379/221.03) and (receiv\$3 adj message) and (transmit\$3 adj message) and (signal\$3 adj link) and message and determin\$3 and linkset and ( link adj fail\$3) and response and request	USPAT	OR	OFF	2004/03/15 16:06
S80	73	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (call adj signal)	USPAT	OR	OFF	2004/03/15 17:10
S82	38	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (link adj failure)	USPAT	OR	OFF	2004/03/15 17:12
S83	0	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (link adj failure) and call and ticket	USPAT	OR	OFF	2004/03/15 17:13
S84	0	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (link adj failure) and call and voucher	USPAT	OR	OFF	2004/03/15 17:13
S85	34	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (link adj failure) and call	USPAT	OR	OFF	2004/03/15 17:15
S87	3	(379/229 379/230 379/221.08 379/221.1 379/221.03) and receiv\$3 and transmit\$3 and signal\$3 and message and (link adj failure) and call and buffer and outbound	USPAT	OR	OFF	2004/03/15 17:16
S88	32	((outag\$3 fail\$4) adj (link)) .ab.	USPAT	OR	OFF	2004/03/16 15:37
S89	2533	379/229 379/230 379/221.08-.1 379/221.1 379/221.03	USPAT	OR	OFF	2004/03/16 15:41
S91	92	(379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) )	USPAT	OR	OFF	2004/03/16 15:48

S92	38	(379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) ) and (inbound incom\$5) and (outbound outgo\$5)	USPAT	OR	OFF	2004/03/16 15:44
S93	33	(379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) ) and (inbound incom\$5) and (outbound outgo\$5) and rout\$5	USPAT	OR	OFF	2004/03/16 15:44
S94	35	(379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) ) and (inbound incom\$5) and (outbound outgo\$5) and (rout\$5 transfer)	USPAT	OR	OFF	2004/03/16 15:44
S95	11	((379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) ) and (inbound incom\$5) and (outbound outgo\$5) and (rout\$5 transfer)) and (rout\$4 adj message)	USPAT	OR	OFF	2004/03/17 12:47
S96	0	((379/229 379/230 379/221.08-.1 379/221.1 379/221.03) and ((link signal\$4) adj (fail\$4 outag\$3) ) and (inbound incom\$5) and (outbound outgo\$5) and (rout\$5 transfer)) and ((rout\$4 adj message) near3 fail\$4)	USPAT	OR	OFF	2004/03/16 15:45
S97	5097	((link signal\$4) adj (fail\$4 outag\$3) )	USPAT	OR	OFF	2004/03/16 15:53
S98	677	((link signal\$4) adj (fail\$4 outag\$3) )) and (inbound incom\$5) and (outbound outgo\$5)	USPAT	OR	OFF	2004/03/16 15:54
S99	11	((link signal\$4) adj (fail\$4 outag\$3) )) and ((inbound incom\$5) adj message\$3) and ((outbound outgo\$5) adj messag\$3) and ss7	USPAT	OR	OFF	2004/03/16 15:59
S100	9	((link signal\$4) adj (fail\$4 outag\$3) )) and ((inbound incom\$5) adj message\$3) and ((outbound outgo\$5) adj messag\$3) and ss7 and (rout\$3 adj messag\$3)	USPAT	OR	OFF	2004/03/16 16:06
S101	5	((link signal\$4) adj (fail\$4 outag\$3) )) and ((inbound incom\$5) adj message\$3) and ((outbound outgo\$5) adj messag\$3) and ss7 and (rout\$3 adj messag\$3) and ((signal\$4 adj link) near fail\$5)	USPAT	OR	OFF	2004/03/16 16:07

S10 2	5	((link signal\$4 adj (fail\$4 outag\$3)) and ((inbound incom\$5) adj message\$3) and ((outbound outgo\$5) adj messag\$3) and ss7 and (rout\$3 adj messag\$3) and ((signal\$4 adj link) near (fail\$5 redundan\$2)))	USPAT	OR	OFF	2004/03/16 16:09
S10 3	3	((link signal\$4 adj (fail\$4 outag\$3)) and ((inbound incom\$5) adj message\$3) and ((outbound outgo\$5) adj messag\$3) and ss7 and (rout\$3 adj messag\$3) and ((signal\$4 adj link) near (fail\$5 redundan\$2))) and grant	USPAT	OR	OFF	2004/03/16 17:15
S10 4	74	"5550914"	USPAT	OR	OFF	2004/03/16 17:15
S10 5	4	( signal\$3 adj gateway) and ss7 and (signal adj2 failure) and (rout\$3 near2 message)	USPAT	OR	OFF	2004/03/16 18:55
S10 7	76	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7	USPAT	OR	OFF	2004/03/17 16:50
S10 8	23	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue	USPAT	OR	OFF	2004/03/16 18:56
S10 9	16	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue and timer	USPAT	OR	OFF	2004/03/16 18:56
S11 0	7	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue and (timer near5 expire\$2)	USPAT	OR	OFF	2004/03/16 18:57
S11 1	1	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue and (timer near5 expire\$2) and (rout\$3 adj messag\$3)	USPAT	OR	OFF	2004/03/16 18:58
S11 2	1	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue and (timer near5 expire\$2) and (rout\$3 adj messag\$3) and (link and set)	USPAT	OR	OFF	2004/03/16 18:59
S11 3	1	((link signal\$4 adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and queue and (timer near5 expire\$2) and (rout\$3 adj messag\$3) and (link and set) and card	USPAT	OR	OFF	2004/03/16 18:59

S11 5	4	((link signal\$4) adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and (stor\$3 with queue)	USPAT	OR	OFF	2004/03/16 19:00
S11 9	2	((link signal\$4) adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and ((stor\$3 same queue) same (signal\$3 same message\$1))	USPAT	OR	OFF	2004/03/16 19:02
S12 0	74	"5550914"	USPAT	OR	OFF	2004/03/17 12:47
S12 1	25	((link signal\$4) adj (fail\$4 outag\$3)) and (inbound incom\$5) and (outbound outgo\$5) and ss7 and burst	USPAT	OR	OFF	2004/03/17 16:50
S12 6	2620	379/229 379/230 379/221.08 379/221.1 379/221.03	USPAT	OR	OFF	2004/03/17 16:54
S12 9	123	burst near3 algorithm	USPAT	OR	OFF	2004/03/17 16:55
S13 0	1	burst near3 algorithm and ss7	USPAT	OR	OFF	2004/12/29 21:35
S13 1	91	ticket near voucher	USPAT	OR	OFF	2004/12/29 16:43
S13 2	30	(ticket near voucher) and routing	US-PGPUB; USPAT	OR	OFF	2004/12/29 18:26
S13 3	16	"5165024"	US-PGPUB; USPAT	OR	OFF	2004/12/29 16:47
S13 5	6	S133 and ticket near3 voucher	US-PGPUB; USPAT	OR	OFF	2004/12/29 16:47
S13 6	12	(ticket near3 voucher) and (call near3 signal\$5)	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:52
S13 9	3	"5699349"	US-PGPUB; USPAT	OR	OFF	2004/12/29 16:50
S14 0	5617	alcatel.as.	US-PGPUB; USPAT	OR	OFF	2004/12/29 16:52
S14 3	3	S140 and (distributed and telecommunication).ti.	US-PGPUB; USPAT	OR	OFF	2005/08/18 19:24
S14 8	53	tekelec.as.	US-PGPUB; USPAT	OR	OFF	2004/12/29 17:20
S14 9	1	S148 and ticket near3 voucher	US-PGPUB; USPAT	OR	OFF	2004/12/29 17:55
S15 1	4716	379/219 379/220 379/221 379/229	US-PGPUB; USPAT	OR	OFF	2004/12/29 17:57
S15 2	324	S151 and (signal\$4 near2 node)	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:55
S15 4	4	S151 and (signal\$4 near2 node) and linkset and (link near2 failure)	US-PGPUB; USPAT	OR	OFF	2004/12/29 18:13



S15 5	3	S151 and (signal\$4 near2 node) and linkset and (link near2 failure) and (node with within)	US-PGPUB; USPAT	OR	OFF	2004/12/29 18:24
S15 6	3	"6639981"	US-PGPUB; USPAT	OR	OFF	2004/12/29 18:21
S15 7	2	(signal\$4 near2 node) and linkset and (link near2 failure) and (node near2 within)	US-PGPUB; USPAT	OR	OFF	2004/12/29 18:24
S16 1	11	(ticket near3 voucher) and (call near3 signal\$5 ) and failure	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:53
S16 6	105	S151 and (signal\$4 same within same link same node)	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:56
S16 8	43	S151 and (signal\$4 same within same link same node same call)	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:58
S16 9	18	S151 and (signal\$4 same within same link same node same call same rout\$3)	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:56
S17 0	1	S151 and (signal\$4 same within same link same node same call same rout\$3) and linkset	US-PGPUB; USPAT	OR	OFF	2004/12/29 19:57
S17 1	29	S151 and (signal\$4 same within same link same node same call) and (within near3 node)	US-PGPUB; USPAT	OR	OFF	2004/12/29 20:05
S17 2	7	S151 and (signal\$4 near10 link near10 failure) and (within near3 node)	US-PGPUB; USPAT	OR	OFF	2004/12/29 20:05
S17 3	4	S151 and (signal\$4 near10 link near10 failure) and (within near3 node) and flow and control	US-PGPUB; USPAT	OR	OFF	2005/08/18 20:21
S17 4	76	"5550914"	USPAT	OR	OFF	2004/12/29 21:36
S17 5	0	"5550914" and (within near3 node) and (link with failure)	USPAT	OR	OFF	2004/12/29 21:37
S17 6	4	"5550914" and (within near3 node)	USPAT	OR	OFF	2004/12/29 21:37